

## SEQUENCE LISTING

5 <110> Kurachi, Kotoku  
Kurachi, Sumiko

<120> Nucleotide Sequences for Gene Regulation and Methods of  
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40 <213> Homo sapiens

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&lt;211&gt; 55

10 &lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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Arg Tyr Asn Ser Gly Lys Leu Glu Glu Phe Val Gln Gly Asn Leu Glu  
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20 Arg Glu Cys Met Glu Glu Lys Cys Ser Phe Glu Glu Ala Arg Glu Val  
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Phe Glu Asn Thr Glu Arg Thr  
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&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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&lt;400&gt; 7

Thr Glu Phe Trp Lys Gln Tyr Val  
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&lt;210&gt; 8

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8

Asp Gly Asp Gln Cys Glu Ser Asn Pro Cys Leu Asn Gly Gly Ser Cys  
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5 Lys Asp Asp Ile Asn Ser Tyr Glu Cys Trp Cys Pro Phe Gly Phe Glu  
 20 25 30

Gly Lys Asn Cys Glu Leu  
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&lt;213&gt; Homo sapiens

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&lt;400&gt; 9

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&lt;213&gt; Homo sapiens

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Tyr Asn His Asp Ile Ala Leu Leu Glu Leu Asp Glu Pro Leu Val Leu  
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Asn Ser Tyr Val Thr Pro Ile Cys Ile Ala Asp Lys Glu Tyr Thr Asn  
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Phe His Lys Gly Arg Ser Ala Leu Val Leu Gln Tyr Leu Arg Val Pro  
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40 Leu Val Asp Arg Ala Thr Cys Leu Arg Ser Thr Lys Phe Thr Ile Tyr  
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Asn Asn Met Phe Cys Ala Gly Phe His Glu Gly Gly Arg Asp Ser Cys  
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Gln Gly Asp Ser Gly Gly Pro His Val Thr Glu Val Glu Gly Thr Ser  
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Phe Leu Thr Gly Ile Ile Ser Trp Gly Glu Glu Cys Ala Met Lys Gly  
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&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

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&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

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35 ttcagtcgag gaaggatagg gt

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&lt;212&gt; DNA

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&lt;211&gt; 1599

&lt;212&gt; DNA

30 &lt;213&gt; Artificial Sequence

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&lt;223&gt; Description of Artificial Sequence: Synthetic

35 &lt;400&gt; 43

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&lt;211&gt; 555

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

5

&lt;400&gt; 47

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1

5

10

15

10

Pro Gly Leu Trp Gly Pro Gly Ala Gln Ala Ala Ser Leu Arg Pro Ser

20

25

30

Pro Ala Thr Leu Val Val Ser Ser Pro Gly His Ala Glu His Pro Pro

35

40

45

15

Ala Ala Pro Ala Gln Thr Pro Gly Pro Gln Val Ser Ala Ser Ala Arg

50

55

60

Gly Pro Gly Pro Val Ala Gly Gly Ser Gly Arg Met Glu Arg Arg Met

65

70

75

80

20

Lys Gly Gly Tyr Leu Asp Gln Arg Val Pro Tyr Thr Phe Cys Ser Lys

85

90

95

25

Ser Pro Gly Asn Gly Ser Leu Gly Glu Ala Leu Met Val Pro Gln Gly

100

105

110

Lys Leu Met Asp Pro Gly Ser Leu Pro Pro Ser Asp Ser Glu Asp Leu

115

120

125

30

Phe Gln Asp Leu Ser His Phe Gln Glu Thr Trp Leu Ala Glu Ala Gln

130

135

140

Val Pro Asp Ser Asp Glu Gln Phe Val Pro Asp Phe His Ser Glu Asn

145

150

155

160

35

Leu Ala Phe His Ser Pro Thr Thr Arg Ile Lys Lys Glu Pro Gln Ser

165

170

175

40

Pro Arg Thr Asp Pro Ala Leu Ser Cys Ser Arg Lys Pro Pro Leu Pro

180

185

190

Tyr His His Gly Glu Gln Cys Leu Tyr Ser Arg Gln Ile Ala Ile Lys

195

200

205

45

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Lys Val Ala Gly Glu Arg Tyr Val Tyr Lys Phe Val Cys Glu Pro Glu  
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Ala Glu Phe Asp Arg Pro Val Ser Glu Glu Asp Thr Val Pro Leu Ser  
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Pro Pro Phe Gly His Arg Gly Gly Tyr Ser Tyr  
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<220>  
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30 &lt;213&gt; Homo sapiens

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<212> DNA  
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10 <220>  
<223> Description of Artificial Sequence: Synthetic

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ttattttata tatataatat atatataaaa ta 32

15 <210> 52  
<211> 9  
<212> DNA  
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20 <220>  
<223> Description of Artificial Sequence: Synthetic

<400> 52  
25 tataatata 9

<210> 53  
<211> 16  
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30 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

35 <400> 53  
caatataaat atatag 16

<210> 54  
<211> 44  
40 <212> DNA  
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<400> 54  
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44

<210> 55  
<211> 41  
<212> DNA  
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<220>  
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<400> 55  
ttattttata tatataatat atatataaaa tatataatat a

41

<210> 56  
<211> 25  
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<220>  
<223> Description of Artificial Sequence: Synthetic

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tataatatac aatataaata tatag

25

<210> 57  
<211> 60  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 57  
caatataaat atatagtgtg tgtgtatgcg tgtgtgtaga cacacacgca tacacacata 60

<210> 58  
<211> 101  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

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ttattttata tatataatat atatataaaa tatataatat acaatataaa tatatagtgt 60  
 gtgtgtatgc gtgtgtgtag acacacacgc atacacacat a 101

5

&lt;210&gt; 59

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 59

tttaggaaaa ttgttaagac tgggttgtat gcacactggt gtttattata ttatgtagtt 60  
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 taa 723

25

&lt;210&gt; 60

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 60

aatatccagt tgagataatg gacttgccctc ttatctaata ataccagggc tcaatgcgtc 60  
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 agtagttttt ctcttttgag taacatgtag caaaaaaat ttcataatgt aggtacaggg 360  
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 tgtatcccca tgaagcaaatt tttgcc 447

40

&lt;210&gt; 61

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



<400> 61

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tgagatggag aaaatattca ttgtcgactg taattatgca acg 103

5

<210> 62

<211> 7

<212> DNA

<213> Artificial Sequence

10

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 62

gtggaag 7

15

<210> 63

<211> 7

<212> DNA

<213> Artificial Sequence

20

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 63

25

gtggatg 7

<210> 64

<211> 7

<212> DNA

30

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

35

<400> 64

ctggaag 7

<210> 65

<211> 7

40

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

45

<400> 65

ctgggatg

7

<210> 66

5 <211> 32

<212> DNA

<213> Artificial Sequence

<220>

10 <223> Description of Artificial Sequence: Synthetic

<400> 66

accatttcag tcgaggaagg ataggggtggt at

32

15 <210> 67

<211> 32

<212> DNA

<213> Artificial Sequence

20 <220>

<223> Description of Artificial Sequence: Synthetic

<400> 67

agccattgag tcgaggaagg ataggggtggt at

32

25 <210> 68

<211> 32

<212> DNA

<213> Artificial Sequence

30 <220>

<223> Description of Artificial Sequence: Synthetic

<400> 68

35 agccattcag acgaggaagg ataggggtggt at

32

<210> 69

<211> 32

<212> DNA

40 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 69  
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5 <210> 70  
<211> 32  
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10 <220>  
<223> Description of Artificial Sequence: Synthetic

<400> 70  
agccattcag tgcaggatcc caagggtggt at 32

15 <210> 71  
<211> 32  
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<223> Description of Artificial Sequence: Synthetic

<400> 71  
agccattcag tgcaggaagg atagggccta at 32

25 <210> 72  
<211> 33  
<212> DNA  
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30 <220>  
<223> Description of Artificial Sequence: Synthetic

<400> 72  
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<210> 73  
<211> 33  
<212> DNA  
40 <213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

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agccattcag tcgaggaagg atagcggtgg tat

33

&lt;210&gt; 74

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

&lt;400&gt; 74

agccattcag tcgaggaagg ataata

25

&lt;210&gt; 75

&lt;211&gt; 28

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

&lt;400&gt; 75

agccattcga ggaaggatag ggtggtat

28

&lt;210&gt; 76

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

&lt;400&gt; 76

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<210> 77

<211> 1273

15 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

20 <400> 77

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<210> 78  
 <211> 1273  
 <212> DNA  
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<220>

<223> Description of Artificial Sequence: Synthetic

<400> 78

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    tatcttgaat ctt                                     1273
  
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<210> 79  
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<220>

<223> Description of Artificial Sequence: Synthetic

<400> 79

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    gaaaatggaa ccactagagg aatataatgt gtaggaaat tacagtcatt tctaagggcc 180
45  cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatgggttc 240
  
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 cttctttgct tctccaacca aaacatcaat gtttattagt tctgtataca gtacaggatc 360  
 tttggctctac tctatcacia ggccagtacc acactcatga agaaagaaca caggagtagc 420  
 tgagaggcta aaactcatca aaaacactac tccttttctt ctaccctatt cctcaatctt 480  
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20 <210> 80  
 <211> 1275

<212> DNA

<213> Artificial Sequence

25 <220>

<223> Description of Artificial Sequence: Synthetic

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 cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240  
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5 tctatcttga atctt 1275

<210> 81

<211> 1276

<212> DNA

10 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

15 <400> 81

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gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180  
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatgggtc 240  
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25 ttttaccctc catgggtcgt aaaggagaga tggggagcat cattctgtta tacttctgta 600  
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<210> 82

40 <211> 1272

<212> DNA

<213> Artificial Sequence



&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

&lt;400&gt; 82

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 gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180  
 cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatgggtc 240  
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 cccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200  
 25 aagttgtcct tttctggttt cgtgttcacc atggaacatt ttgattatag ttatccttct 1260  
 atcttgaatc tt 1272

&lt;210&gt; 83

&lt;211&gt; 1272

30 &lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

35

&lt;400&gt; 83

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 <212> DNA  
 <213> Artificial Sequence

20 <220>  
 <223> Description of Artificial Sequence: Synthetic

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25 <210> 85  
 <211> 1463  
 <212> DNA  
 <213> Homo sapiens

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 35 aaagaaactt caggaggaat agggtttttag gagggcatgg ggacctcct gcacccgaag 240  
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<210> 86

<211> 83

15 <212> DNA

<213> Homo sapiens

<400> 86

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<210> 87

<211> 614

<212> DNA

25 <213> Homo sapiens

<400> 87

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 cttccctgtg caatcaatgg aagccagcga ggcagggtca catgccccgt ttagaggtgc 540  
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40 <210> 88

<211> 661

<212> DNA

<213> Homo sapiens

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 gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180  
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15 &lt;210&gt; 89

&lt;211&gt; 7

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

20 &lt;400&gt; 89

gaggaaa

7

&lt;210&gt; 90

&lt;211&gt; 7

25 &lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

caggaag

7

30

&lt;210&gt; 91

&lt;211&gt; 102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

35

&lt;400&gt; 91

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40

&lt;210&gt; 92

&lt;211&gt; 1380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 92

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&lt;210&gt; 93

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 93

ttgggggaaa agtttctttc agagagttaa gttattttat atatataata tatatataaa 60  
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 35 cgcatacaca catataatgg aagcaataag ccat 154

&lt;210&gt; 94

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 94

tgggggaaaa gtttctttca gagagttaa ttattttata tatataatat atatataaaa 60  
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 45 gcatacacac atataatgga agcaataagc cat 153

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<211> 152  
<212> DNA  
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catacacaca tataatggaa gcaataagcc at 152

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<212> DNA  
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atacacacat ataatggaag caataagcca t 151

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 aatatacaat ataatatat agtgtgtgtg tgtatgcgtg tgtgtagaca cacacgcata 120  
 cacacatata atggaagcaa taagccat 148

5

&lt;210&gt; 100

&lt;211&gt; 147

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 100

aaaagtcttct ttcagagagt taagttatctt tatatatata atatatatat aaaatatata 60  
 atatacaata taaatatata gtgtgtgtgt gtagcgtgtg gtgtagacac acacgcatac 120  
 acacatatata tggaagcaat aagccat 147

15

&lt;210&gt; 101

&lt;211&gt; 146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

20

&lt;400&gt; 101

aaagtctctt tcagagagtt aagttatctt atatatataa tatatatata aaatatataa 60  
 tatacaatat aatatatag gtgtgtgtgt tatgcgtgtg ttagacacac cacgcataca 120  
 cacatataat ggaagcaata agccat 146

25

&lt;210&gt; 102

&lt;211&gt; 145

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 102

aagttctctt cagagagtta agttatctt tatatatata atatatataa aatatataat 60  
 atacaatata aatatatag gtgtgtgtgt atgcgtgtgt gtagacacac acgcatacac 120  
 acatataatg gaagcaataa gccat 145

35

&lt;210&gt; 103

&lt;211&gt; 144

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

40

&lt;400&gt; 103

agttctcttc agagagttta gttatctt atatatata tatatatataa atatatataa 60  
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 catataatgg aagcaataag ccat 144

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<212> DNA  
<213> Homo sapiens

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atataatgga agcaataagc cat 143

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ataatggaag caataagcca t 141

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<400> 107  
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taatggaagc aataagccat 140

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<210> 108  
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<213> Homo sapiens

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&lt;400&gt; 108

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 aatggaagca ataagccat 139

5

&lt;210&gt; 109

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 109

tttcagagag ttaagttatt ttatatatat aatatatata taaaatatat aatatacaat 60  
 ataaatatat agtgtgtgtg tgtatgctg tgtgtagaca cacacgcata cacacatata 120  
 atggaagcaa taagccat 138

15

&lt;210&gt; 110

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

20

&lt;400&gt; 110

ttcagagagt taagttatatt tatatatata atatatatat aaaatatata atatacaata 60  
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 tggaagcaat aagccat 137

25

&lt;210&gt; 111

&lt;211&gt; 136

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 111

tcagagagtt aagttatatt atatatataa tatatatata aaatatataa tatacaatat 60  
 aaatatatag tgtgtgtgtg tatgctgtgt tgtgtagacac cacgcataca cacatataat 120  
 ggaagcaata agccat 136

35

&lt;210&gt; 112

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

40

&lt;400&gt; 112

cagagagtta agttatattta tatatatata atatatataa aaatatataa atacaatat 60  
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 gaagcaataa gccat 135

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aagcaataag ccat 134

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agcaataagc cat 133

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gcaataagcc at 132

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caataagcca t 131

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&lt;400&gt; 117

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 aataagccat 130

5

&lt;210&gt; 118

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 118

gttaagttat tttatatata taatatatat ataaaatata taatatata tataaatata 60  
 tagtgtgtgt gtgtatgctg gtgtgttagac acacacgcat acacacatat aatggaagca 120  
 ataagccat 129

15

&lt;210&gt; 119

&lt;211&gt; 128

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

20

&lt;400&gt; 119

ttaagttatt ttatatatat aatatatata taaaatatat aatatacaat ataaatatat 60  
 agtgtgtgtg tgtatgctg tgtgttagaca cacacgcata cacacatata atggaagcaa 120  
 taagccat 128

25

&lt;210&gt; 120

&lt;211&gt; 127

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 120

taagttattt tatatatata atatatatat aaaatatata atatacaata taaatatata 60  
 gtgtgtgtgt gtatgctgt gtgttagacac acacgcatac acacatataa tggaagcaat 120  
 aagccat 127

35

&lt;210&gt; 121

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

40

&lt;400&gt; 121

aagttatttt atatataaa tatatatata aaatatataa tatacaatat aaatatatag 60  
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 cgcatacac catataatgg aagcaataag cca 153

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cgcatcacaca catataatgg aagcaataag cc 152

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&lt;210&gt; 127

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 127

ttgggggaaa agtttctttc agagagttaa gttattttat atatataata tatatataaa 60  
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cgcatcacaca catataatgg aagcaataag c 151

15

&lt;210&gt; 128

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

20

&lt;400&gt; 128

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cgcatcacaca catataatgg aagcaataag 150

25

&lt;210&gt; 129

&lt;211&gt; 149

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 129

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cgcatcacaca catataatgg aagcaataa 149

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&lt;210&gt; 130

&lt;211&gt; 148

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

40

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 cgcatacaca catataatgg aag 143

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&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;400&gt; 136

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 cgcatacaca catataatgg aa 142

15

&lt;210&gt; 137

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;400&gt; 137

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 cgcatacaca catataatgg a 141

25

&lt;210&gt; 138

&lt;211&gt; 140

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

30

&lt;400&gt; 138

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 cgcatacaca catataatgg 140

35

&lt;210&gt; 139

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

40

&lt;400&gt; 139

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&lt;400&gt; 144

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 cgcatacaca cata 134

5

&lt;210&gt; 145

&lt;211&gt; 659

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

10

&lt;400&gt; 145

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 gtgtgggtgcc tcagcaggag gcatctgggtt acaatcaaca caagctgttc cagccaattt 180  
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 agacttggag aaggaacgtg ggcaagtctt cccaggaaca ggtagggcag ggaggaaagg 600  
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20

&lt;210&gt; 146

&lt;211&gt; 658

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

25

&lt;400&gt; 146

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35

&lt;210&gt; 147

&lt;211&gt; 657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

45

&lt;400&gt; 147

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 gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180  
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&lt;211&gt; 650

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<211> 398

<212> DNA

<213> Homo sapiens

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&lt;210&gt; 192

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 192

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&lt;210&gt; 193

&lt;211&gt; 198

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 193

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&lt;210&gt; 194

&lt;211&gt; 98

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 194

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&lt;210&gt; 195

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 195

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8

&lt;210&gt; 196

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 196

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&lt;210&gt; 197

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 197

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&lt;210&gt; 198

&lt;211&gt; 761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

5

&lt;400&gt; 198

10

15

20

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&lt;210&gt; 199

&lt;211&gt; 751

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

25

&lt;400&gt; 199

30

35

40

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&lt;210&gt; 200

&lt;211&gt; 750

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

45

&lt;400&gt; 200

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&lt;210&gt; 201

&lt;211&gt; 681

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

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&lt;210&gt; 202

&lt;211&gt; 581

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 202

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g t t a g a g g g a t g c t a t g t g c c a t t g t g t g t g t g t g t g g g g t g g g g a t t g g g g g t g a t t 360  
 t g t g a g c a a t t g g a g g t g a g g g t g g a g c c c a g t g c c c a g c a c c t a t g c a c t g g g g a c c c a 420  
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 a g c g t c t t t t t t c t t g t a t g t g g c a c a t a a a t a c a t g t g t c t t a t a a t t a a t g g t a t t t 540  
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&lt;210&gt; 203

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 203

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 15 g c a c c c c g g c c a g g a a a t t g c t g c a g c c t t c t g g a a t c c c g t t c a t t t t t c t t a c t g g t 180  
 c c a c a a a a g g g g c c a a a t g g a a g c a g a a g a c c t g a g t t c a a a t t a a a t c t g c c a a c t a c 240  
 c a g c t c a g t g a a t c t g g g c g a g t a a c a c a a a a c t t g a g t g t c c t t a c c t g a a a a t a g a g 300  
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&lt;210&gt; 204

&lt;211&gt; 381

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 204

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&lt;210&gt; 205

&lt;211&gt; 281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 205

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5 <211> 181

<212> DNA

<213> Homo sapiens

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<211> 81

<212> DNA

<213> Homo sapiens

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<210> 208.

25 <211> 38

<212> DNA

<213> Homo sapiens

<400> 208

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